

What is claimed is:

- 1 1. A method of generating zoom markup language data objects, the method
2 comprising,
3 employing a plurality of data objects contained within a first data source,
4 employing a hierarchical relationship between said plurality of data objects,
5 employing a spatial paradigm, and
6 locating said plurality of data objects in virtual space relative to each other, based
7 at least in part on said spatial paradigm and at least in part on said hierarchical
8 relationship, to generate a zoom markup language format to define said plurality of data
9 objects.
- 1 2. The method of claim 1 wherein said zoom markup language is human readable.
- 1 3. The method of claim 1 further comprising employing a predefined tag to define
2 one of said plurality of data objects.
- 1 4. The method of claim 2 wherein said predefined tag is one of plate, raster, vector,
2 text and link.
- 1 5. The method of claim 3 further comprising and defining within said predefined tag
2 coordinates for said plurality of data objects.

1 6. The method of claim 4 further comprising defining within said predefined plate
2 tag an x coordinate, a y coordinate, a z coordinate, a plate width, a plate height and a
3 plate depth.

1 7. The method of claim 4 further comprising defining within said predefined raster
2 tag a URL address containing an appearance of said one of said plurality of data objects.

1 8. The method of claim 4 further comprising defining within said predefined vector
2 tag a URL address containing an appearance of said one of said plurality of data objects.

1 9. The method of claim 4 further comprising defining within said predefined text tag
2 a font value and a justify value.

1 10. The method of claim 4 further comprising defining within said predefined link tag
2 a URL address containing a link to a second one of said plurality of data objects.

1 11. The method of claim 1 wherein said step of generating a zoom markup language
2 further comprises employing a predefined tag to define one of said plurality of data
3 objects, said predefined tag is defined using as few as one character.

1 12. A method of generating a screen zoomable markup language, the method
2 comprising,

3 employing a plurality of data objects contained within a first data source,

4 employing a hierarchical relationship between said plurality of data objects,
5 employing a spatial paradigm,
6 locating said plurality of data objects in virtual space relative to each other, based
7 at least in part on said spatial paradigm and at least in part on said hierarchical
8 relationship, to generate a screen zoom markup language format to define said plurality
9 of data objects.

1 13. ~~The method of claim 1 wherein said screen zoomable markup language is human~~
2 readable.

1 14. The method of claim 12 further comprising employing a predefined tag to define
2 one of said plurality of data objects.

1 15. The method of claim 14 further comprising defining within said predefined tag a
2 name corresponding to said one of said plurality of data objects, a value of a second one
3 of said plurality of data objects to which a user travels, and a set of coordinates to locate
4 said one of said plurality of data objects.

1 16. The method of claim 14 wherein said predefined tag is one of text, axes, polygon,
2 rectangle raster and vector.

1 17. The method of claim 16 further comprising defining within said predefined text
2 tag at least one of a title, a justify value, a format value and a wrap mode value.

1 18. The method of claim 16 further comprising defining within said predefined axes
2 tag at least one of a label for a first axis, a maximum limit for said first axis, a minimum
3 limit for said first axis, a label for a second axis, a maximum limit for said second axis
4 and a minimum limit for said second axis.

1 19. The method of claim 16 further comprising defining within said predefined
2 polygon tag at least one of a points value corresponding to a number of points used to
3 define a polygon, a coordinate value for each of said number of said points.

1 20. The method of claim 16 further comprising defining within said predefined
2 rectangle tag a set of coordinates to locate said one of said plurality of data objects.

1 21. The method of claim 16 further comprising defining within said predefined raster
2 tag at least one of a bounding set of coordinates and a URL.

1 22. The method of claim 16 further comprising defining within said predefined vector
2 tag at least one of a bounding set of coordinates and a URL.

1 23. A system of generating zoom markup language, the system comprising,
2 a computing device adapted to employ a plurality of data objects contained within
3 a first data source, a hierarchical relationship between said plurality of data objects, and a
4 spatial paradigm, and to locate said plurality of data objects in virtual space relative to
5 each other, based at least in part on said spatial paradigm and at least in part on said

6 hierarchical relationship, to generate a zoom markup language format to define said
7 plurality of data objects.

1 24. The system of claim 23 further adapted to employ a predefined tag to define one
2 of said plurality of data objects.

1 25. The system of claim 23 further adapted to define within said predefined tag
2 coordinates for said plurality of data objects.

1 26. The system of claim 24 wherein said predefined tag is one of plate, raster, vector,
2 text and link.

1 27. The system of claim 26 further adapted to define within said predefined plate tag
2 an x coordinate, a y coordinate, a z coordinate, a plate width, a plate height and a plate
3 depth.

1 28. The system of claim 26 further adapted to define within said predefined raster tag
2 a URL address containing an appearance of said one of said plurality of data objects.

1 29. The system of claim 26 further adapted to define within said predefined vector tag
2 a URL address containing an appearance of said one of said plurality of data objects.

1 30. The system of claim 26 further adapted to define within said predefined text tag a
2 font value and a justify value.

1 31. The system of claim 26 further adapted to define within said predefined link tag a
2 URL address containing a link to a second one of said plurality of data objects.

1 32. The system of claim 23 wherein said step of generating a zoom markup language
2 further comprises employing a predefined tag to define one of said plurality of data
3 objects, said predefined tag is defined using as a few as one character.

1 33. A system of generating screen zoomable markup language, the system
2 comprising,
3 a computing device adapted to employ a plurality of data objects contained within
4 a first data source, a hierarchical relationship between said plurality of data objects, and a
5 spatial paradigm, and to locate said plurality of data objects in virtual space relative to
6 each other, based at least in part on said spatial paradigm and at least in part on said
7 hierarchical relationship, to generate a screen zoom markup language format to define
8 said plurality of data objects.

1 34. The system of claim 33 further adapted to employ a predefined tag to define one
2 of said plurality of data objects.

1 35. The system of claim 34 further adapted to define within said predefined tag a
2 name corresponding to said one of said plurality of data objects, a value of a second one
3 of said plurality of data objects to which a user travels, and a set of coordinates to locate
4 said one of said plurality of data objects.

1 36. The system of claim 34 wherein said predefined tag is one of text, axes, polygon,
2 rectangle, raster and vector.

1 37. The system of claim 36 further adapted to define within said predefined text tag at
2 least one of a title, a justify value, a format value and a wrap mode value.

1 38. The system of claim 36 further adapted to define within said predefined axes tag
2 at least one of a label for a first axis, a maximum limit for said first axis, a minimum limit
3 for said first axis, a label for a second axis, a maximum limit for said second axis and a
4 minimum limit for said second axis.

1 39. The system of claim 36 further adapted to define within said predefined polygon
2 tag at least one of a points value corresponding to a number of points used to define a
3 polygon, a coordinate value for each of said number of said points.

1 40. The system of claim 36 further adapted to define within said predefined rectangle
2 tag at least one of a set of coordinates to locate said one of said plurality of data objects.

1 41. The system of claim 36 further adapted to define within said predefined raster tag
2 at least one of a bounding set of coordinates and a URL.

1 42. The system of claim 36 further adapted to define within said predefined vector tag
2 at least one of a bounding set of coordinates and a URL.